

# BDM SUBCONTRACT FACT SHEET

**CONTRACT TITLE:** Reservoir Architecture Modeling

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|--|---|
| <b>ID NUMBER:</b> 93-0001/47                                   | <b>CONTRACT PERFORMANCE PERIOD</b>  |
| <b>Related WA #:</b> 95-A01                                    | 05/03/1996 to 05/02/1998  |
| <b>DOE MONITOR</b>   | <b>PERFORMER</b>  |
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| <b>BDM TECHNICAL MANAGER</b>                                   | <b>CONTACT:</b> Dennis Kerr<br><b>ADDRESS:</b> University of Tulsa<br>600 South College Avenue<br>Tulsa, OK 74104<br><b>PHONE:</b> (918) 631-3020<br><b>FAX:</b> (918) 631-2073 |

| FUNDING (1000's)         | BDM SHARE  | OTHER SHARE | TOTAL      |
|--------------------------|------------|-------------|------------|
| PRIOR FISCAL YRS         | 41         | 0           | 41         |
| FISCAL YR 1998           | 154        | 0           | 154        |
| FUTURE FUNDS             | 115        | 0           | 115        |
| <b>TOTAL EST'D FUNDS</b> | <b>310</b> | <b>0</b>    | <b>310</b> |

**PROJECT DESCRIPTION:**

1) Forward and inverse models for seismic data interpretation; 2) Code for generating facies and petrophysical data distribution conditioned to seismic and hard data using marked point process; and 3) Code for estimating geological architecture and posteriori covariance using Bayesian Maximum Entropy.